



FIG. 1
(PRIOR ART)

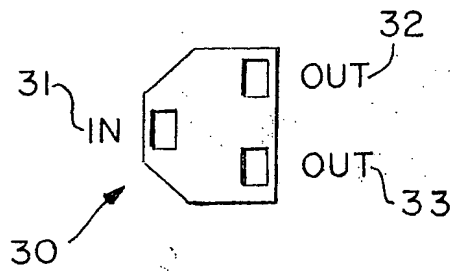
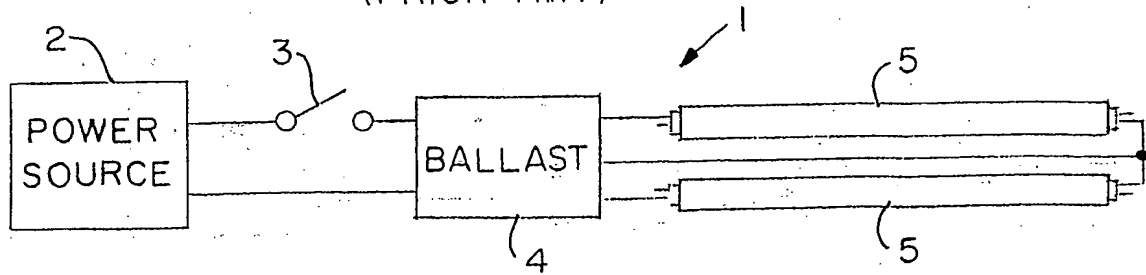


FIG. 3

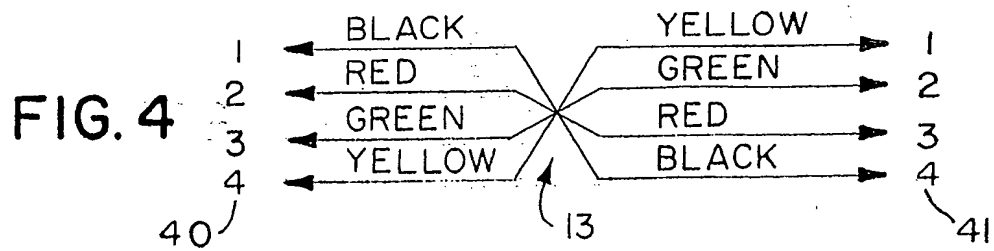
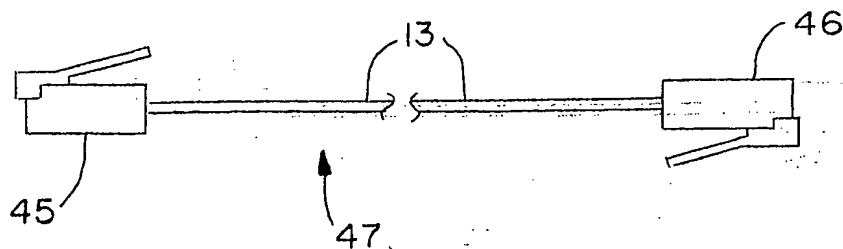


FIG. 4

FIG. 5



The schematic diagram illustrates a power supply system 9, divided into two main sections by a dashed line 22. The first section, on the left, includes a transformer 10 with a primary winding connected to a 220V AC source. The secondary winding is connected to a rectifier bridge 11, which is followed by a filter capacitor 12. The output of the filter is connected to a voltage divider 13, which consists of a resistor R1 and a diode D1. The voltage divider is connected to a transistor 14, which is also connected to a diode D2. The transistor 14 is connected to a resistor R2, which is in turn connected to a capacitor C2. The capacitor C2 is connected to a load 18. The second section, on the right, contains a transformer 19 with a primary winding connected to the output of the first section. The secondary winding is connected to a resistor R3, which is in turn connected to a diode D3. The diode D3 is connected to a resistor R4, which is connected to a capacitor C3. The capacitor C3 is connected to a load 18. The system is powered by a 220V AC source.

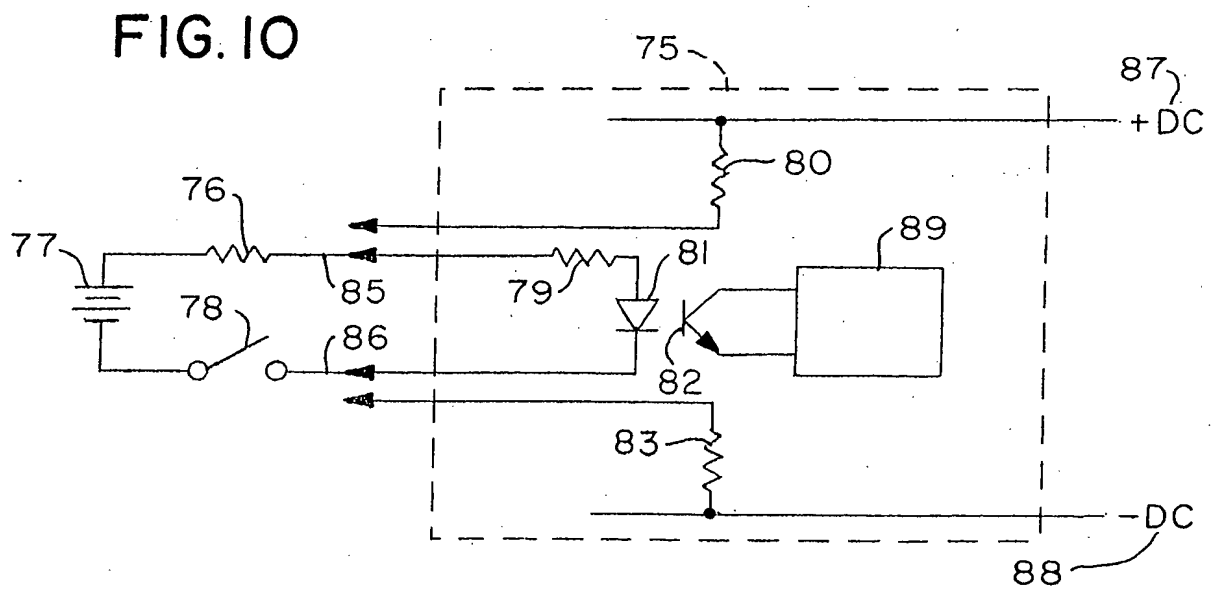
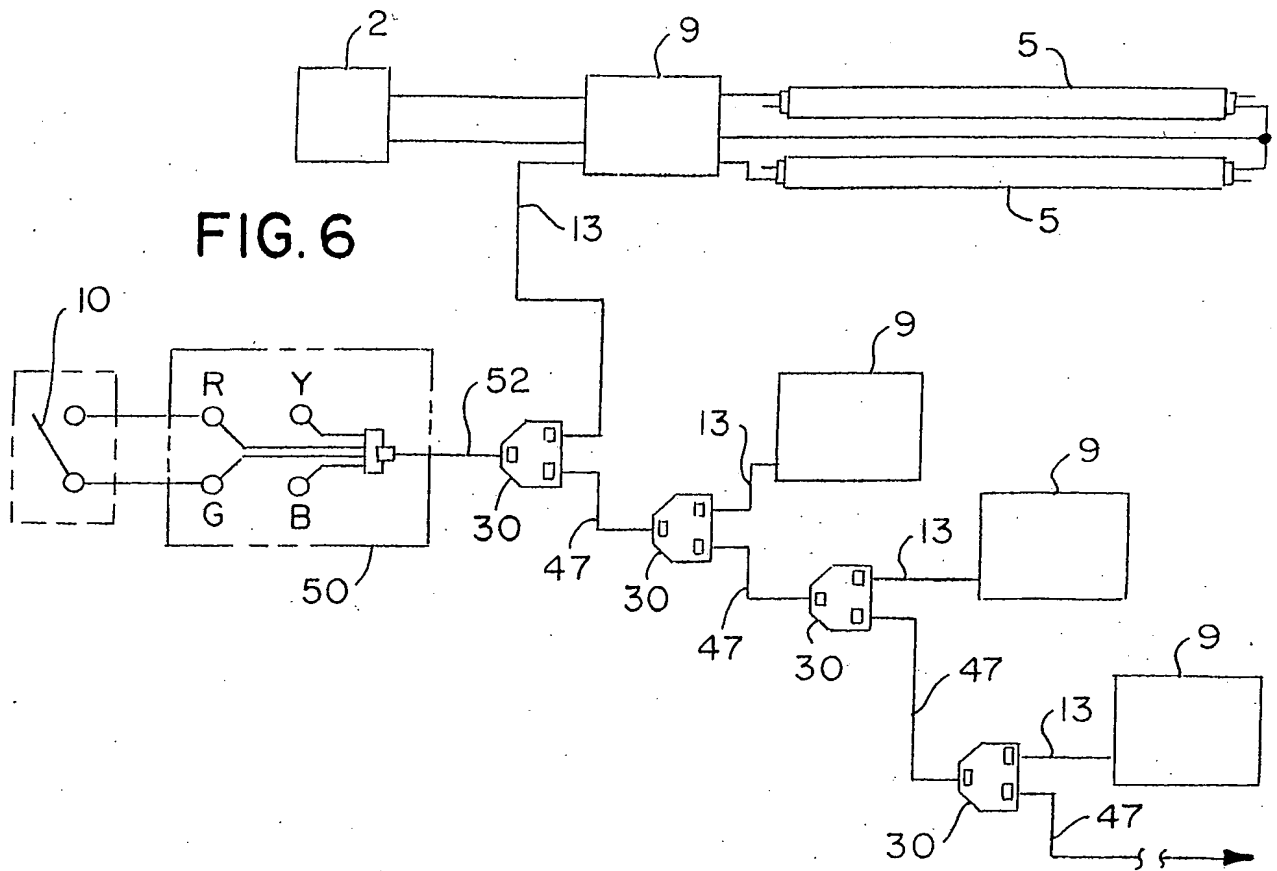


FIG. 7

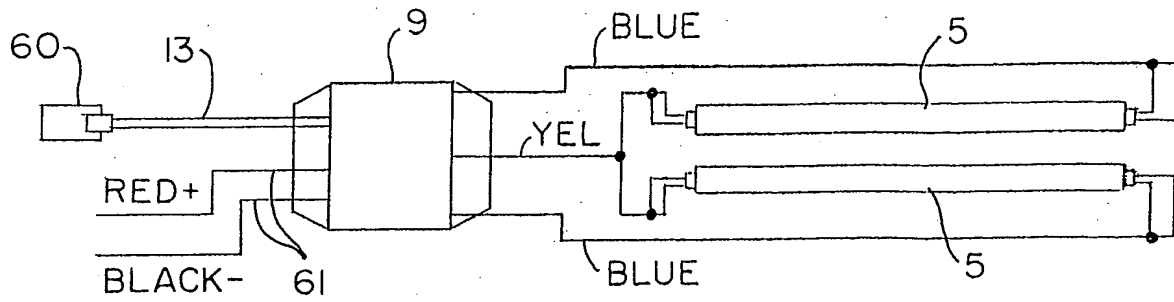


FIG. 8

